

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091619\
 Data File : BF117064.D
 Acq On : 16 Sep 2019 15:44
 Operator : HP/JU
 Sample : K4900-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RBR-200027-RBR-200049

Manual Integrations
 APPROVED

mohammad
 9/17/2019 1:25:40 PM

Quant Time: Sep 17 06:12:03 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 13 16:23:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	60014	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	236068	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	123874	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	201262	20.00	ng	0.00
76) Chrysene-d12	13.96	240	129662	20.00	ng	-0.01
87) Perylene-d12	15.42	264	135153	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	332135	86.40	ng	0.01
7) Phenol-d6	6.46	99	462652	93.13	ng	0.00
23) Nitrobenzene-d5	7.38	82	299868	66.74	ng	0.00
42) 2,4,6-Tribromophenol	10.64	330	104748	101.18	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	534966	67.53	ng	0.00
79) Terphenyl-d14	12.91	244	515953	74.38	ng	0.00
Target Compounds						
10) Phenol	6.47	94	18269	3.336	ng	Qvalue 96
50) Dimethylphthalate	9.57	163	31842	3.630	ng	99
71) Phenanthrene	11.36	178	28786	2.518	ng	98
75) Fluoranthene	12.55	202	82300	7.007	ng	97
78) Pyrene	12.77	202	73306	6.738	ng	99
81) Benzo(a)anthracene	13.96	228	30859	3.562	ng	98
83) Chrysene	13.99	228	35979m	4.258	ng	
86) Indeno(1,2,3-cd)pyrene	16.84	276	21051	3.415	ng	# 91
88) Benzo(b)fluoranthene	15.00	252	42196m	5.154	ng	
90) Benzo(a)pyrene	15.35	252	26892	3.743	ng	96
92) Benzo(g,h,i)perylene	17.28	276	20442	3.584	ng	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

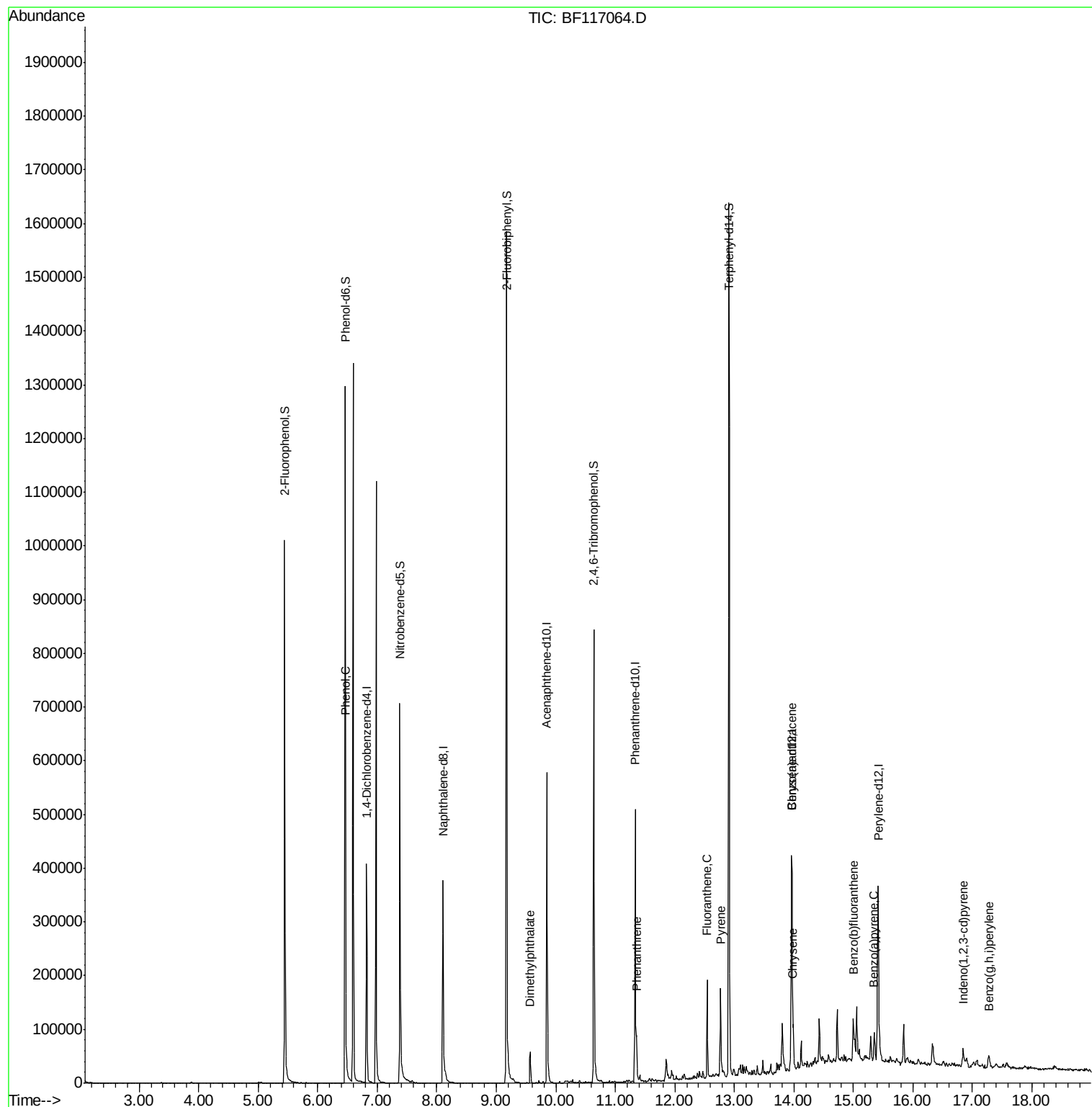
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091619\
Data File : BF117064.D
Acq On : 16 Sep 2019 15:44
Operator : HP/JU
Sample : K4900-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

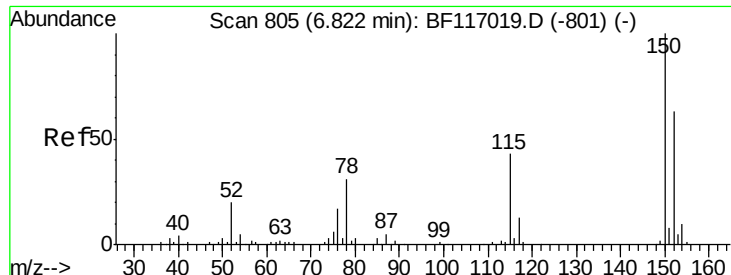
Instrument :
BNA_F
ClientSampleId :
RBR-200027-RBR-200049

Manual Integrations
APPROVED

mohammad
9/17/2019 1:25:40 PM

Quant Time: Sep 17 06:12:03 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 13 16:23:17 2019
Response via : Initial Calibration





#1

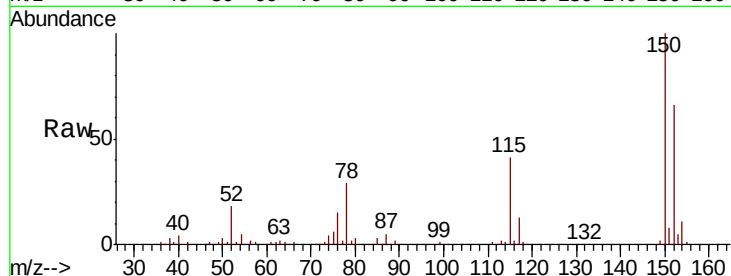
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. 0.00 min
Lab File: BF117064.D
Acq: 16 Sep 2019 15:44

Instrument :
BNA_F
ClientSampleId :
RBR-200027-RBR-200049

Tot Ion	Ratio	Lower	Upper
152	100		
150	150.6	127.5	191.3
115	61.5	55.0	82.4

Manual Integrations
APPROVED

mohammad
9/17/2019 1:25:40 PM

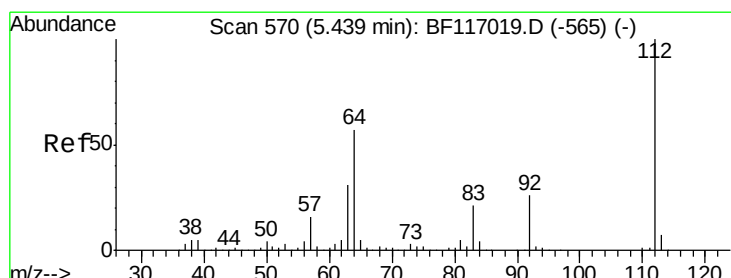
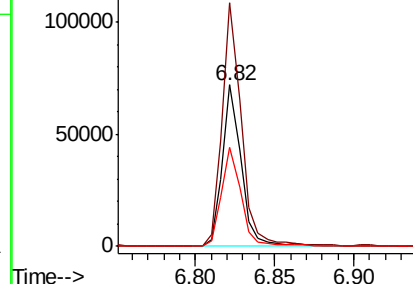
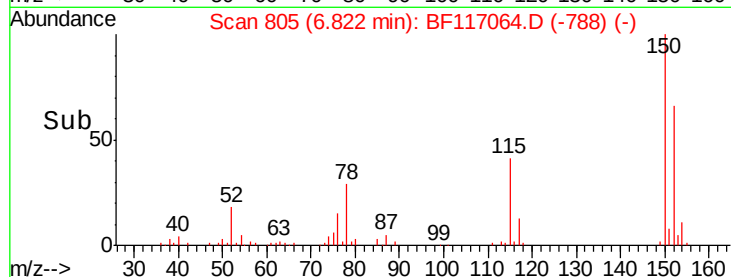


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

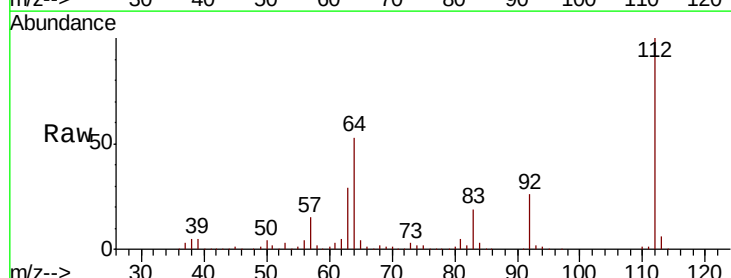
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 86.404 ng
RT: 5.45 min Scan# 572
Delta R.T. 0.01 min
Lab File: BF117064.D
Acq: 16 Sep 2019 15:44

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.3	45.7	68.5
63	28.9	24.9	37.3

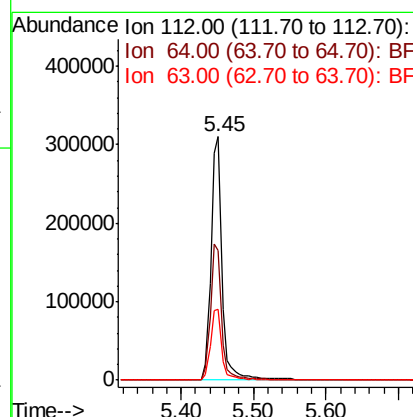
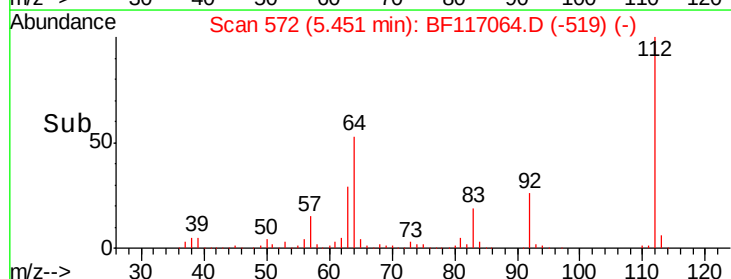


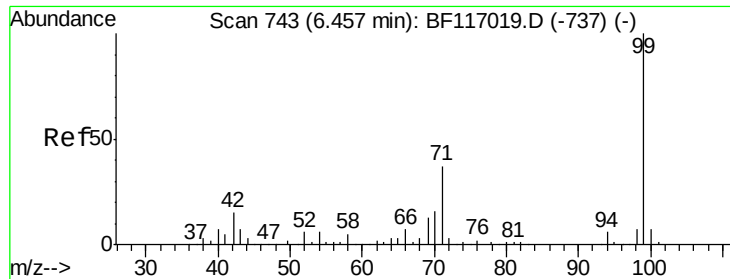
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 93.130 ng

RT: 6.46 min Scan# 744

Delta R.T. 0.01 min

Lab File: BF117064.D

Acq: 16 Sep 2019 15:44

Instrument :

BNA_F

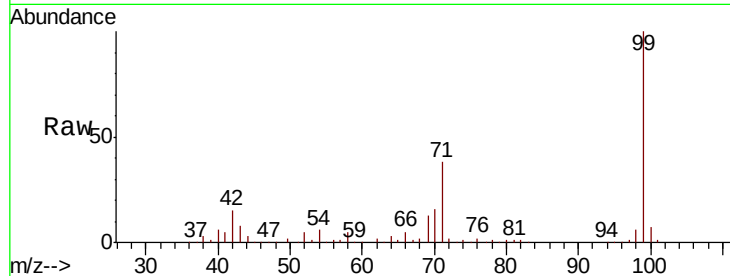
ClientSampleId :

RBR-200027-RBR-200049

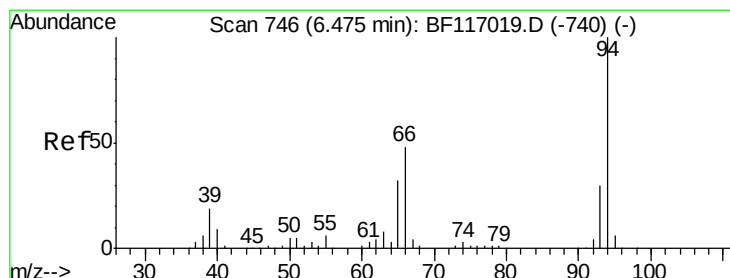
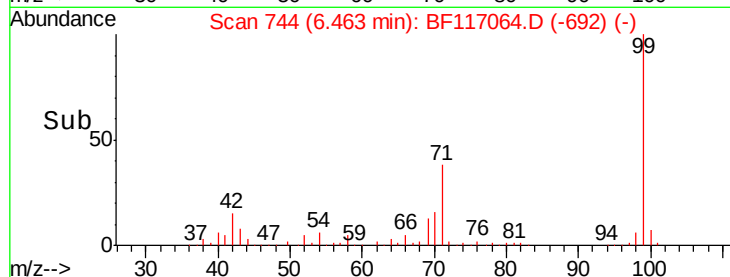
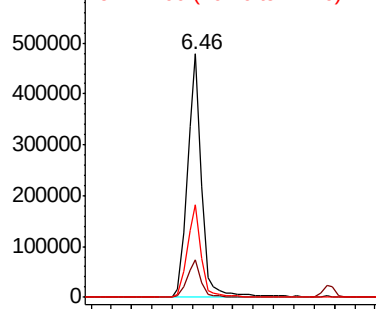
Tot Ion:	99	Resp:	462652
Ion	Ratio	Lower	Upper
99	100		
42	15.4	12.2	18.2
71	37.8	29.8	44.8

Manual Integrations
APPROVED

mohammad
9/17/2019 1:25:40 PM



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 3.336 ng

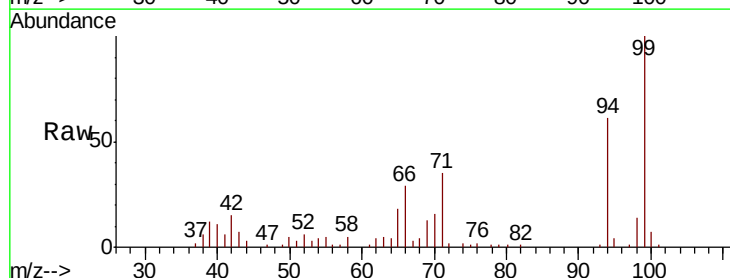
RT: 6.47 min Scan# 746

Delta R.T. 0.00 min

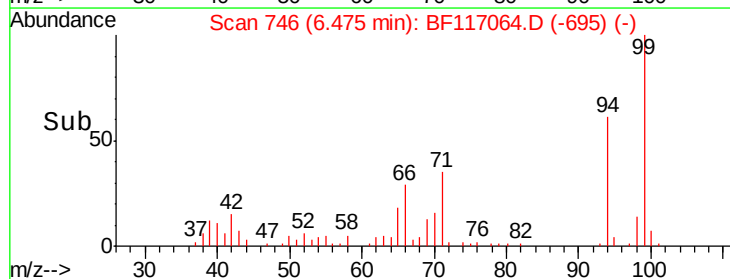
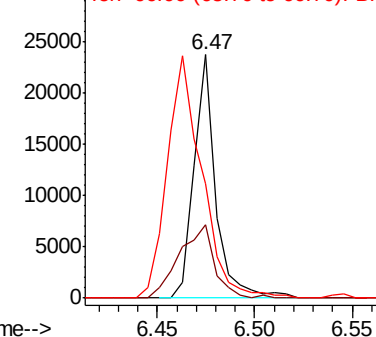
Lab File: BF117064.D

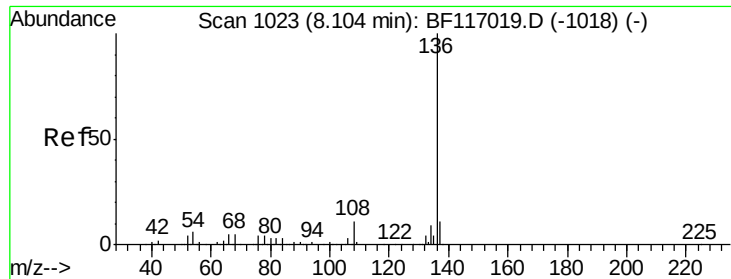
Acq: 16 Sep 2019 15:44

Tgt Ion:	94	Resp:	18269
Ion	Ratio	Lower	Upper
94	100		
65	30.0	12.5	52.5
66	46.8	28.9	68.9



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





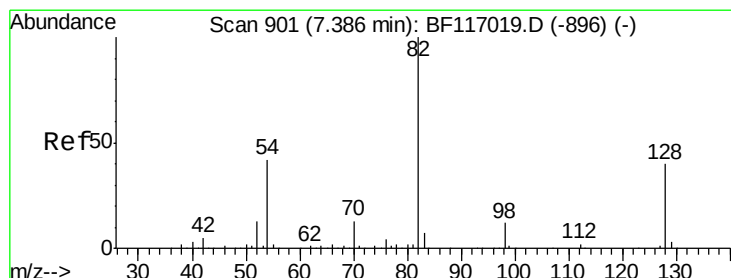
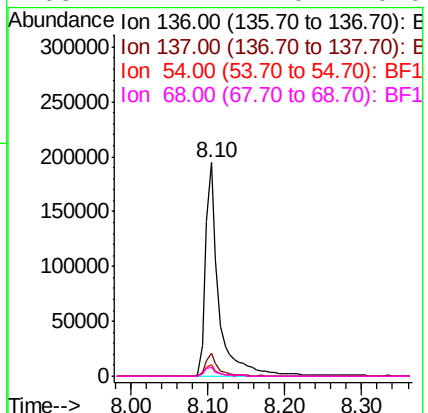
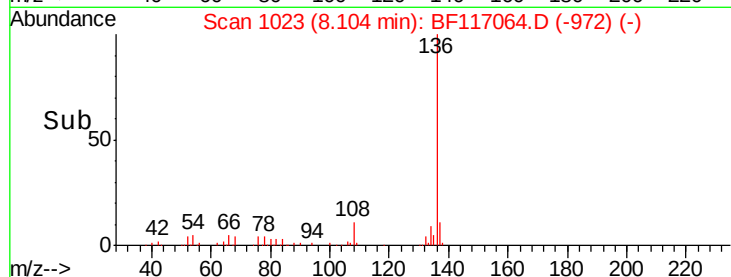
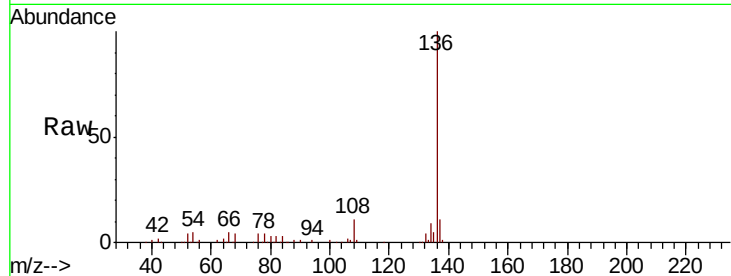
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1023
Delta R.T. 0.00 min
Lab File: BF117064.D
Acq: 16 Sep 2019 15:44

Instrument :
BNA_F
ClientSampleId :
RBR-200027-RBR-200049

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		236068		
137	10.6		9.0	13.4	
54	5.1		4.5	6.7	
68	4.4		4.0	6.0	

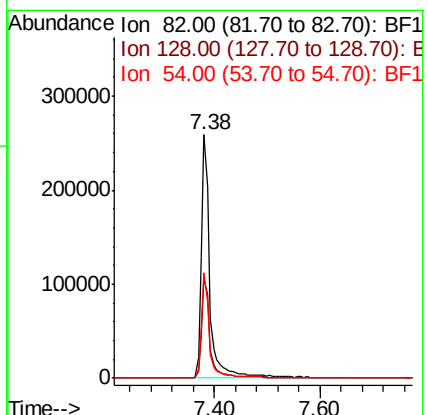
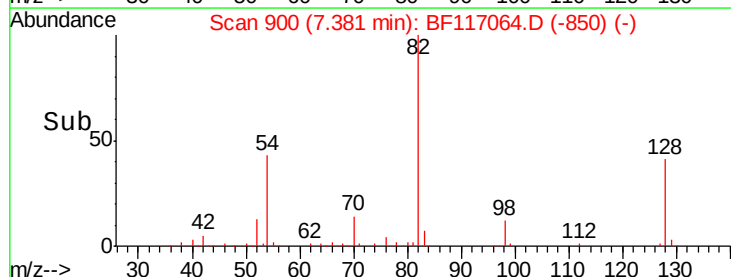
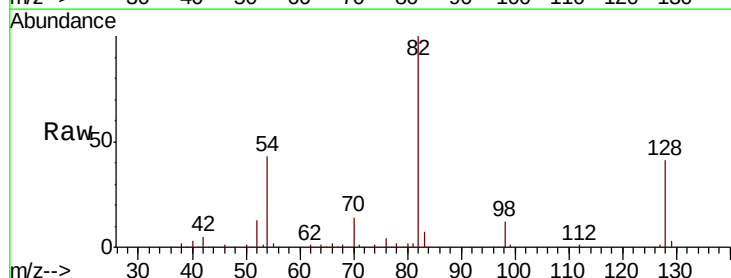
Manual Integrations
APPROVED

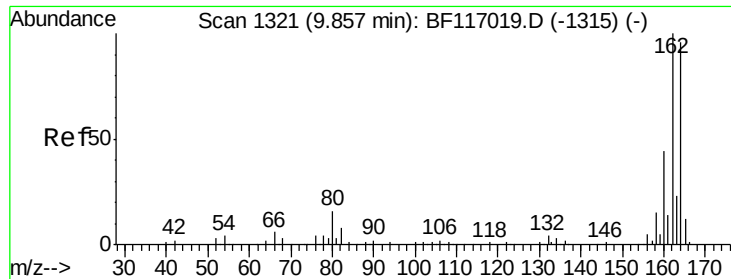
mohammad
9/17/2019 1:25:40 PM



#23
Nitrobenzene-d5
Concen: 66.743 ng
RT: 7.38 min Scan# 900
Delta R.T. -0.01 min
Lab File: BF117064.D
Acq: 16 Sep 2019 15:44

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100		299868		
128	40.8		32.3	48.5	
54	43.4		33.3	49.9	





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.85 min Scan# 1320

Delta R.T. -0.01 min

Lab File: BF117064.D

Acq: 16 Sep 2019 15:44

Instrument :

BNA_F

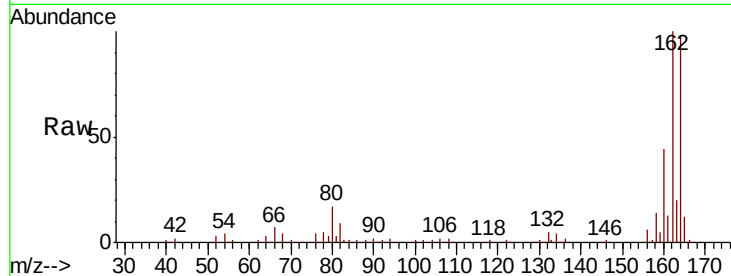
ClientSampleId :

RBR-200027-RBR-200049

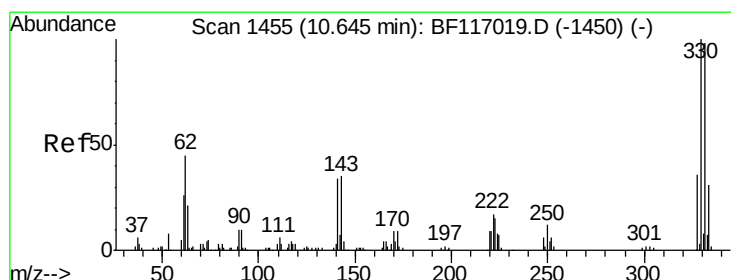
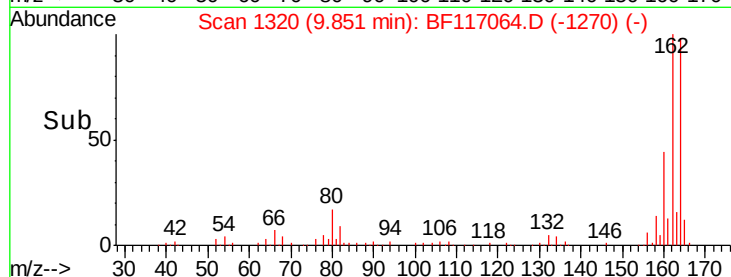
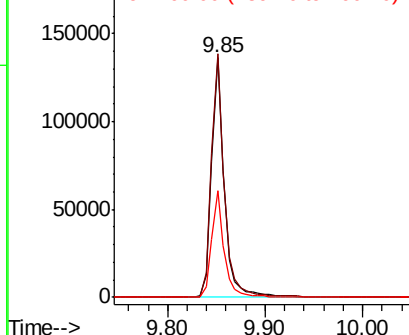
Tot Ion:	164	Resp:	123874
Ion Ratio	Lower	Upper	
164	100		
162	101.6	83.4	125.2
160	44.4	36.4	54.6

Manual Integrations
APPROVED

mohammad
9/17/2019 1:25:40 PM



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E



#42

2,4,6-Tribromophenol

Concen: 101.176 ng

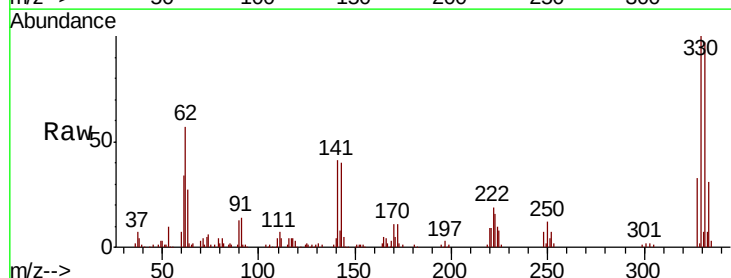
RT: 10.64 min Scan# 1454

Delta R.T. -0.01 min

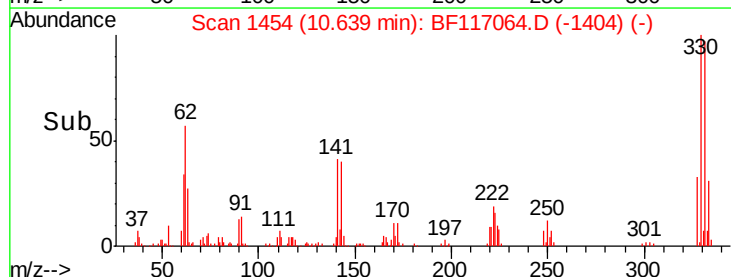
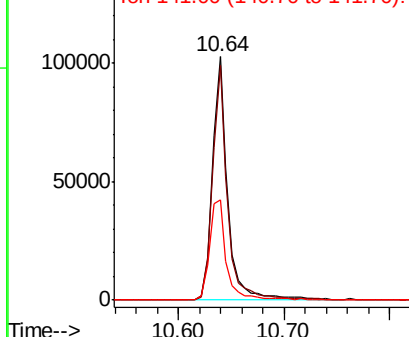
Lab File: BF117064.D

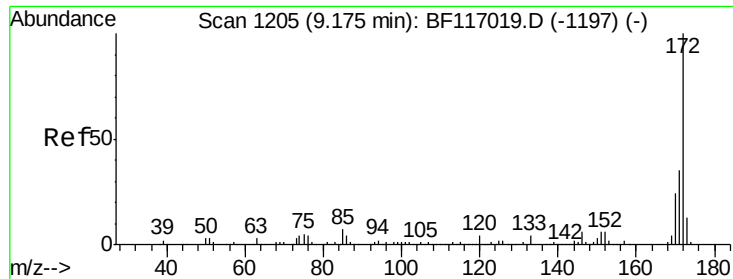
Acq: 16 Sep 2019 15:44

Tgt Ion:	330	Resp:	104748
Ion Ratio	Lower	Upper	
330	100		
332	95.1	78.0	117.0
141	45.8	35.8	53.6



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E





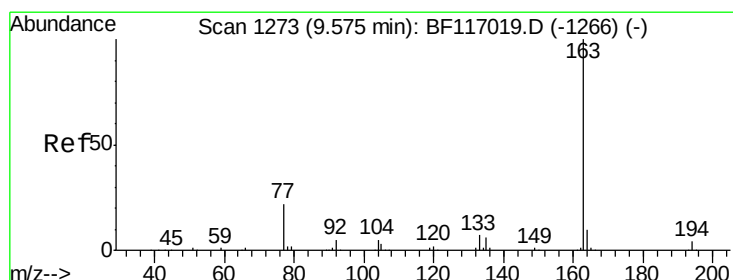
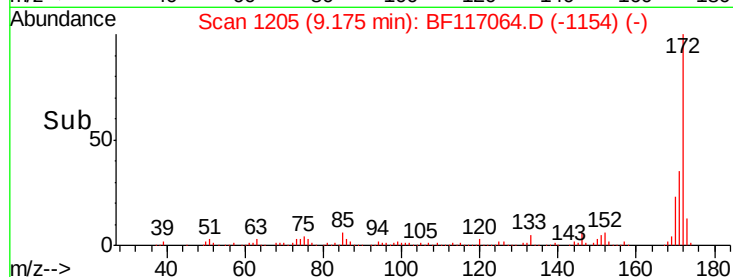
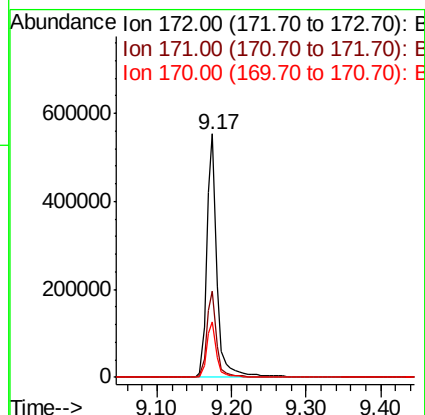
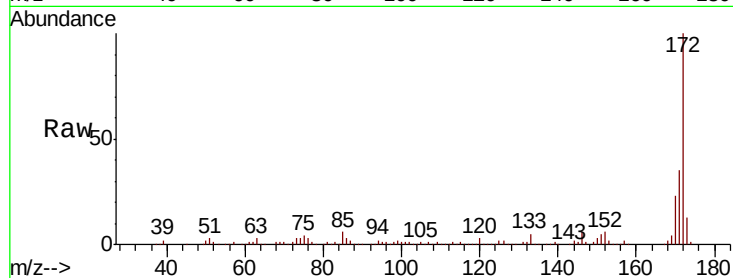
#45
2-Fluorobiphenyl
Concen: 67.525 ng
RT: 9.17 min Scan# 1205
Delta R.T. 0.00 min
Lab File: BF117064.D
Acq: 16 Sep 2019 15:44

Instrument :
BNA_F
ClientSampleId :
RBR-200027-RBR-200049

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.2	28.2	42.2
170	23.0	18.9	28.3

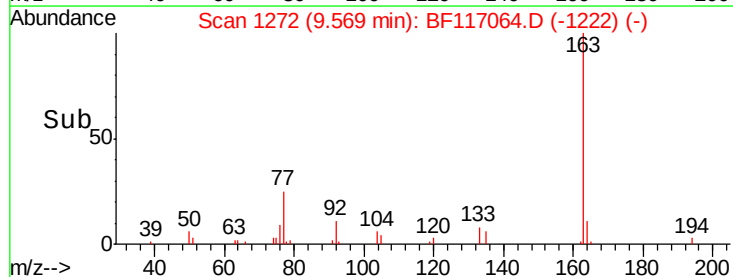
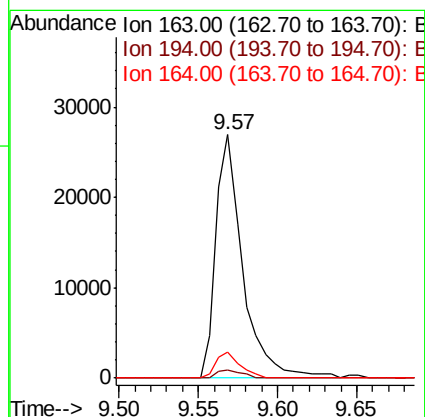
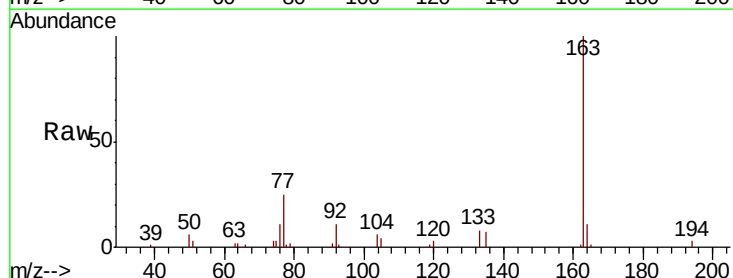
Manual Integrations
APPROVED

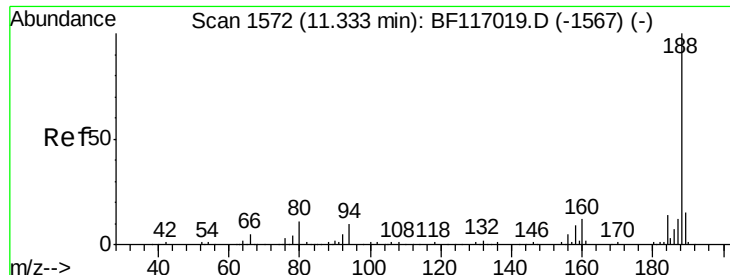
mohammad
9/17/2019 1:25:40 PM



#50
Dimethylphthalate
Concen: 3.630 ng
RT: 9.57 min Scan# 1272
Delta R.T. -0.01 min
Lab File: BF117064.D
Acq: 16 Sep 2019 15:44

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.3	2.9	4.3
164	10.8	8.2	12.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.33 min Scan# 1572

Delta R.T. 0.00 min

Lab File: BF117064.D

Acq: 16 Sep 2019 15:44

Instrument :

BNA_F

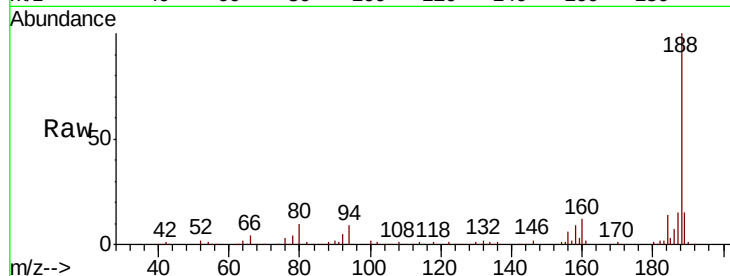
ClientSampleID :

RBR-200027-RBR-200049

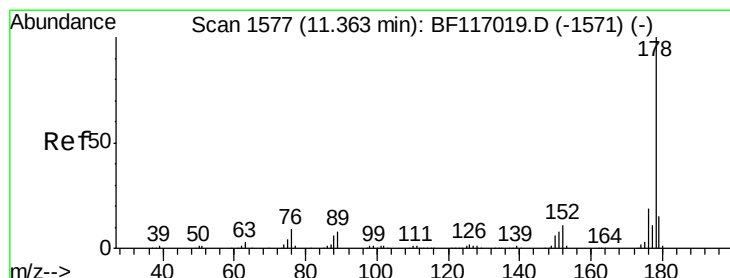
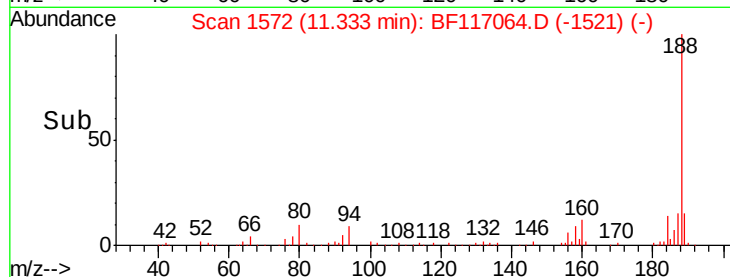
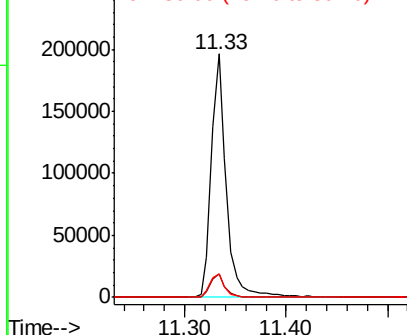
Tot Ion:	188	Resp:	201262
Ion Ratio	Lower	Upper	
188	100		
94	9.5	8.2	12.2
80	9.8	9.0	13.6

Manual Integrations
APPROVED

mohammad
9/17/2019 1:25:40 PM



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1



#71

Phenanthrene

Concen: 2.518 ng

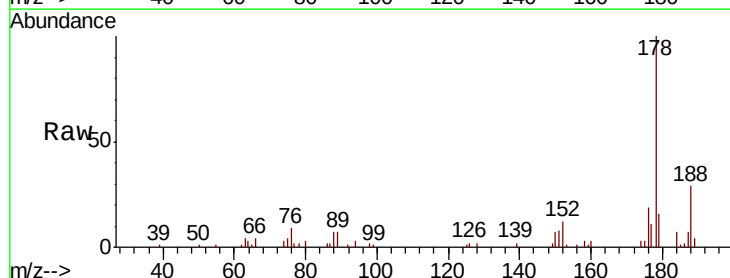
RT: 11.36 min Scan# 1576

Delta R.T. -0.01 min

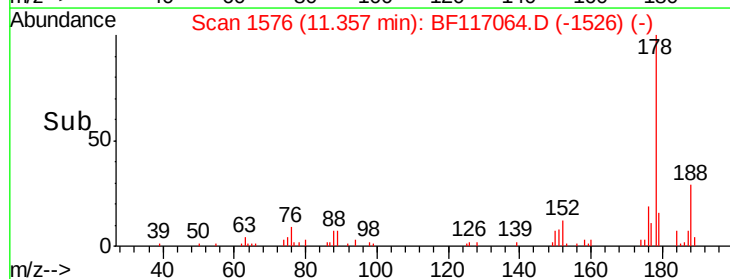
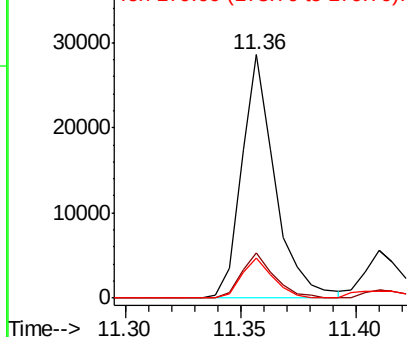
Lab File: BF117064.D

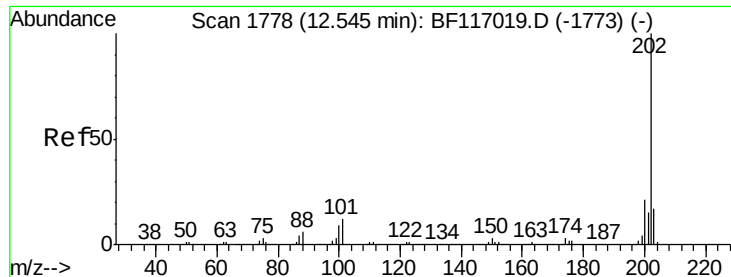
Acq: 16 Sep 2019 15:44

Tgt Ion:	178	Resp:	28786
Ion Ratio	Lower	Upper	
178	100		
176	18.8	15.4	23.2
179	16.4	12.4	18.6



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 7.007 ng

RT: 12.55 min Scan# 1778

Delta R.T. 0.00 min

Lab File: BF117064.D

Acq: 16 Sep 2019 15:44

Instrument :

BNA_F

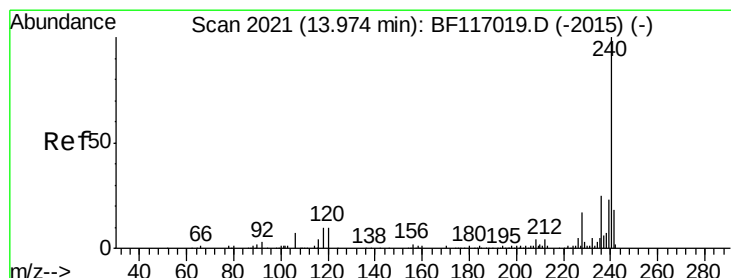
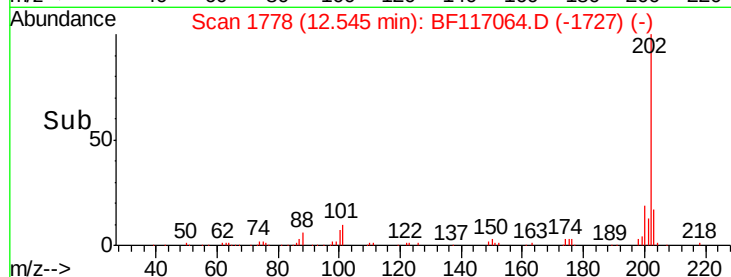
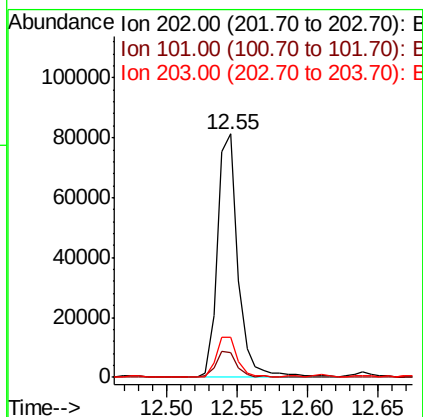
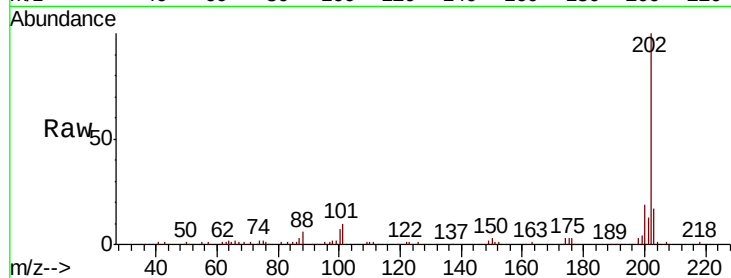
ClientSampleId :

RBR-200027-RBR-200049

Tot Ion:	202	Resp:	82300
Ion Ratio	Lower	Upper	
202	100		
101	9.9	0.0	32.3
203	16.7	0.0	37.1

Manual Integrations
APPROVED

mohammad
9/17/2019 1:25:40 PM



#76

Chrysene-d12

Concen: 20.000 ng

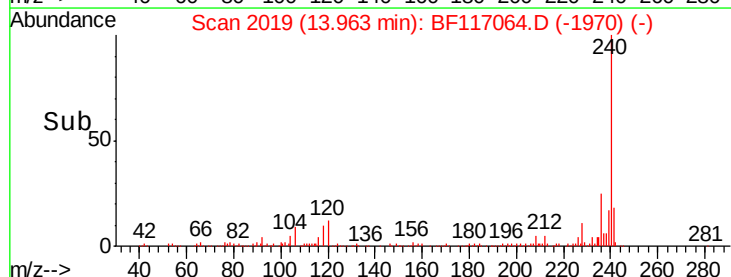
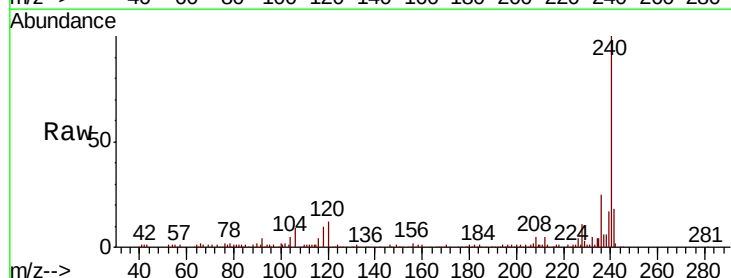
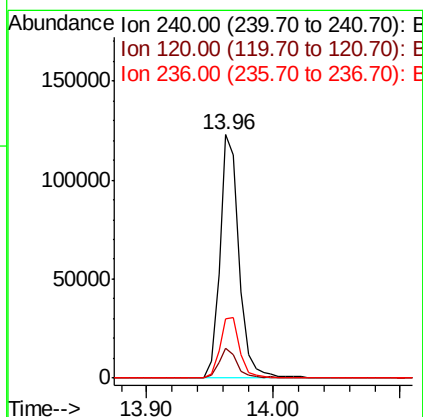
RT: 13.96 min Scan# 2019

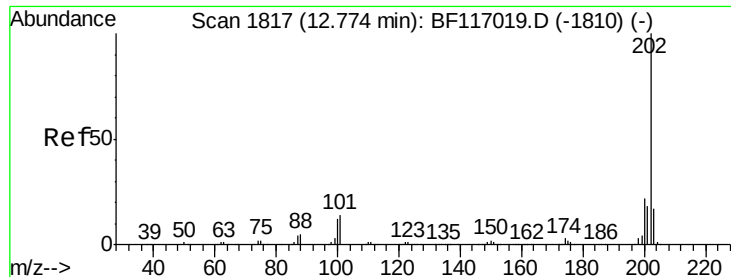
Delta R.T. -0.01 min

Lab File: BF117064.D

Acq: 16 Sep 2019 15:44

Tgt Ion:	240	Resp:	129662
Ion Ratio	Lower	Upper	
240	100		
120	12.3	8.3	12.5
236	24.6	20.3	30.5





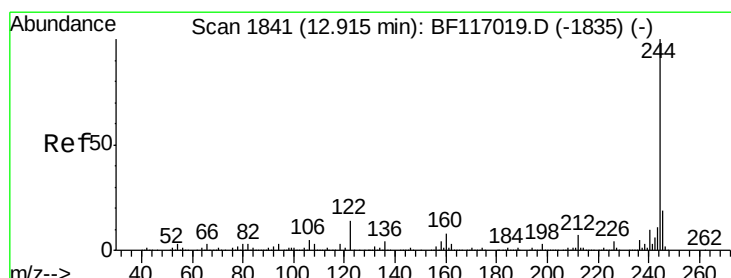
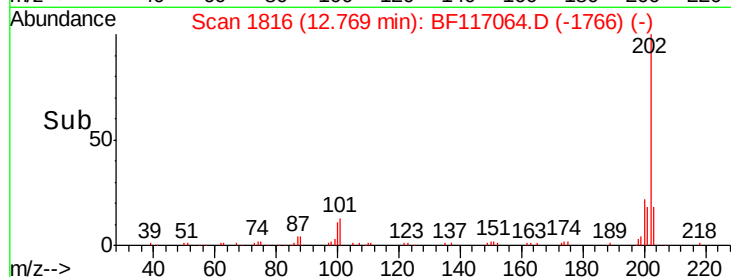
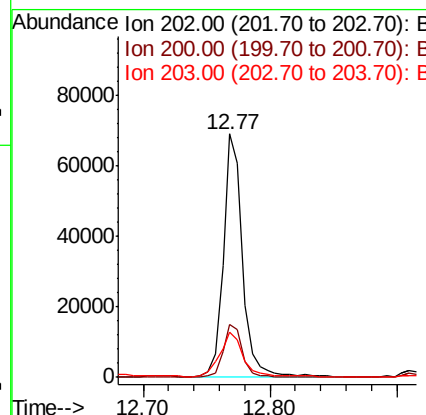
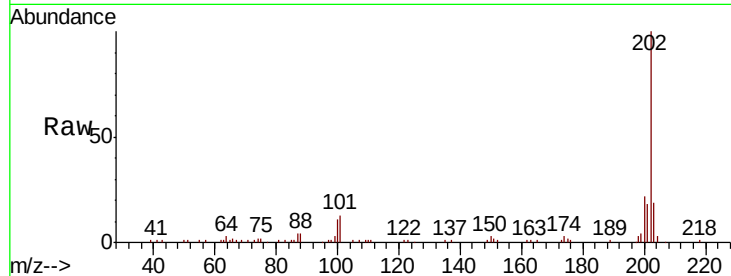
#78
Pvrene
Concen: 6.738 ng
RT: 12.77 min Scan# 1816
Delta R.T. -0.01 min
Lab File: BF117064.D
Acq: 16 Sep 2019 15:44

Instrument :
BNA_F
ClientSampleId :
RBR-200027-RBR-200049

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.7	17.2	25.8
203	18.5	14.0	21.0

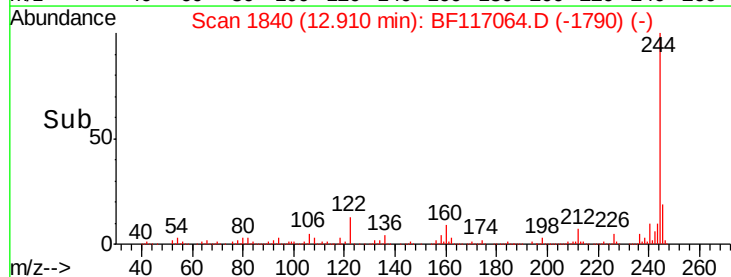
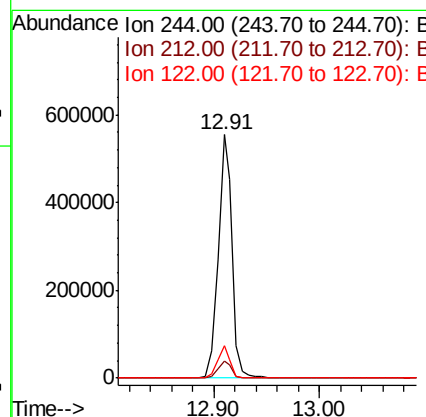
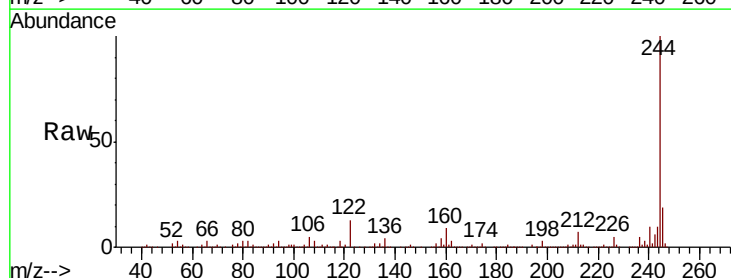
Manual Integrations
APPROVED

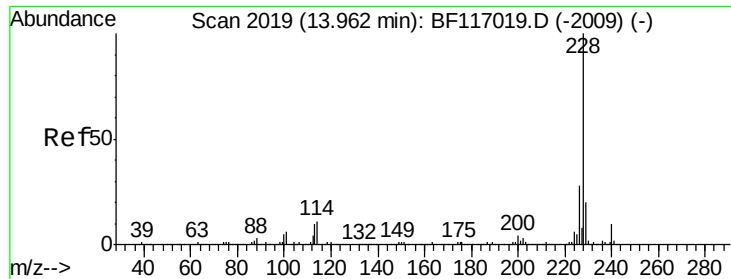
mohammad
9/17/2019 1:25:40 PM



#79
Terphenyl-d14
Concen: 74.380 ng
RT: 12.91 min Scan# 1840
Delta R.T. -0.01 min
Lab File: BF117064.D
Acq: 16 Sep 2019 15:44

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.8	8.8
122	13.3	11.3	16.9





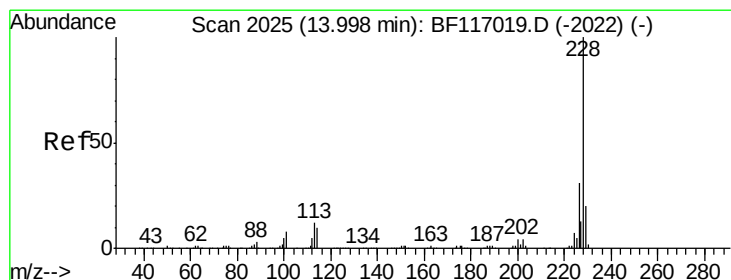
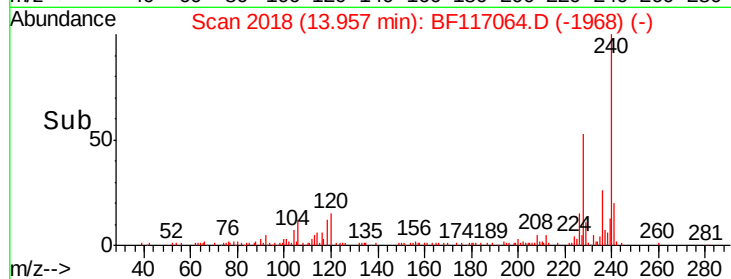
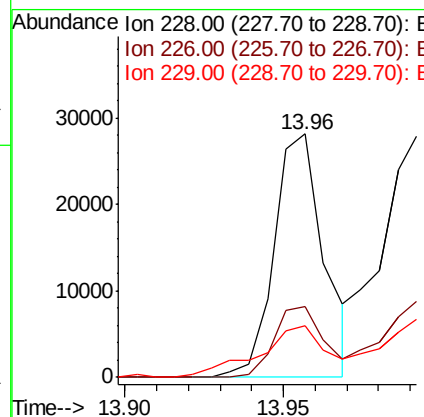
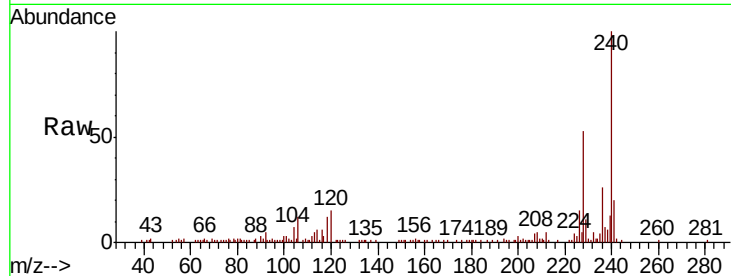
#81
Benzo(a)anthracene
Concen: 3.562 ng
RT: 13.96 min Scan# 2018
Delta R.T. -0.01 min
Lab File: BF117064.D
Acq: 16 Sep 2019 15:44

Instrument :
BNA_F
ClientSampleId :
RBR-200027-RBR-200049

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.8	22.3	33.5
229	21.2	15.9	23.9

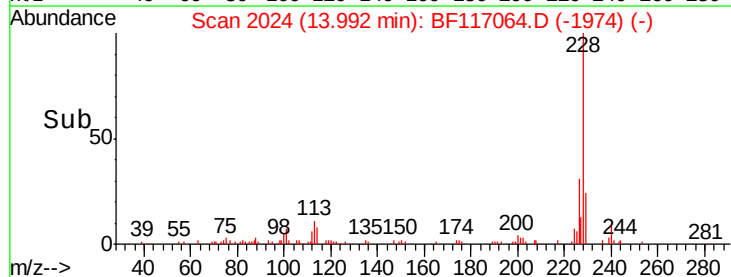
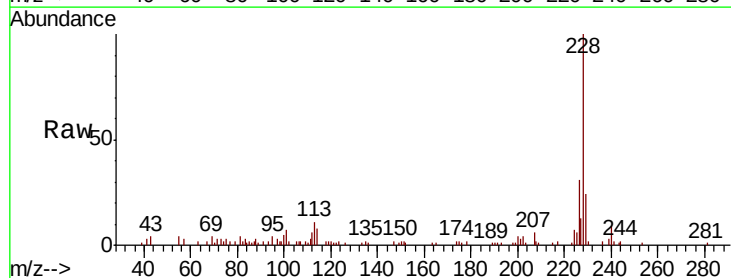
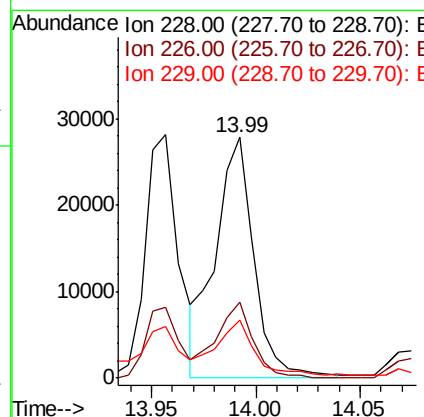
Manual Integrations
APPROVED

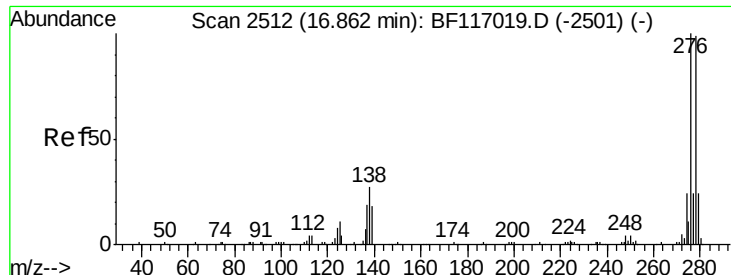
mohammad
9/17/2019 1:25:40 PM



#83
Chrysene
Concen: 4.258 ng m
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF117064.D
Acq: 16 Sep 2019 15:44

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.4	24.8	37.2
229	24.3	15.8	23.8#





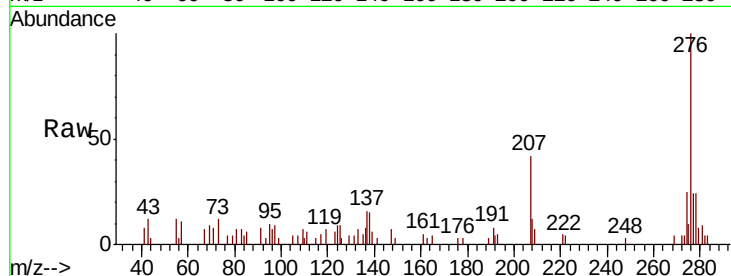
#86
Indeno(1,2,3-cd)pyrene
Concen: 3.415 ng
RT: 16.84 min Scan# 2509
Delta R.T. -0.02 min
Lab File: BF117064.D
Acq: 16 Sep 2019 15:44

Instrument :
BNA_F
ClientSampleId :
RBR-200027-RBR-200049

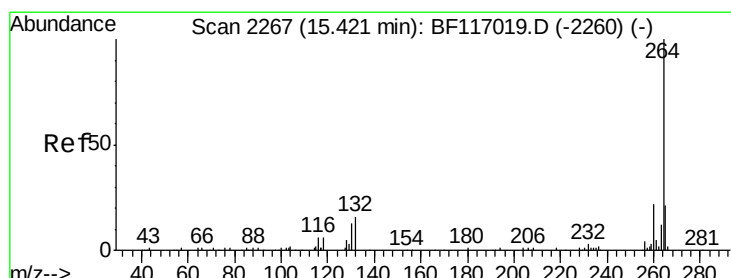
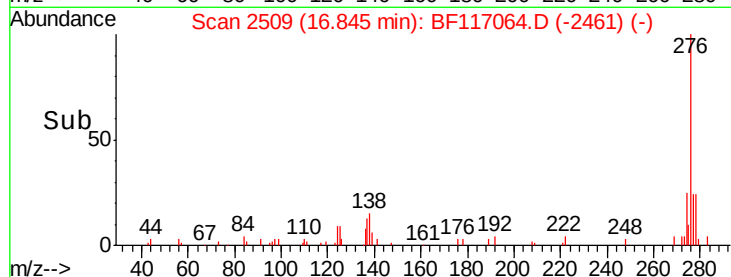
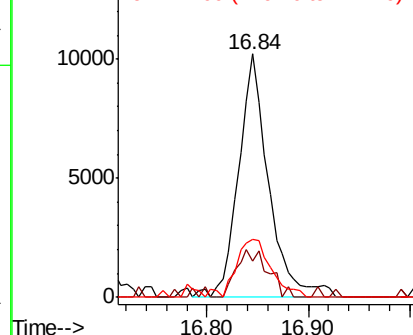
Tot Ion	Ratio	Lower	Upper
276	100		
138	20.4	20.7	31.1#
277	28.0	19.8	29.8

Manual Integrations
APPROVED

mohammad
9/17/2019 1:25:40 PM



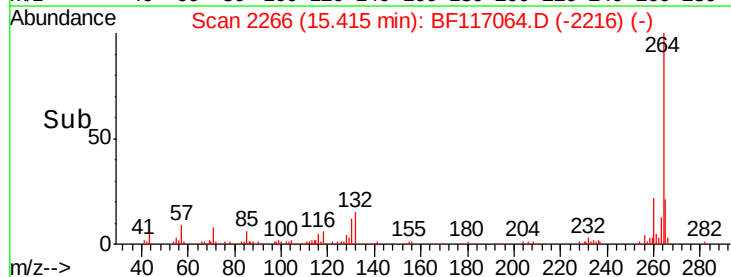
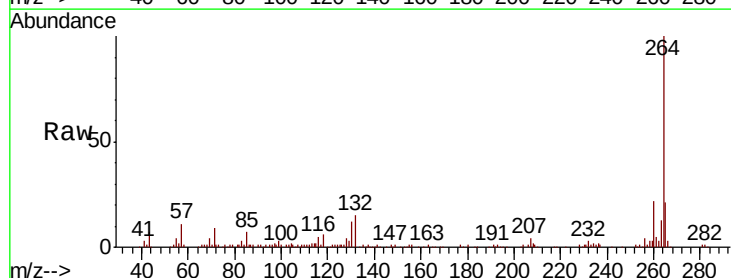
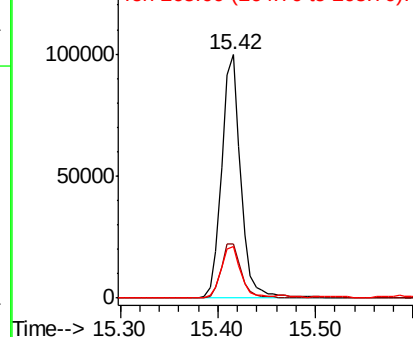
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

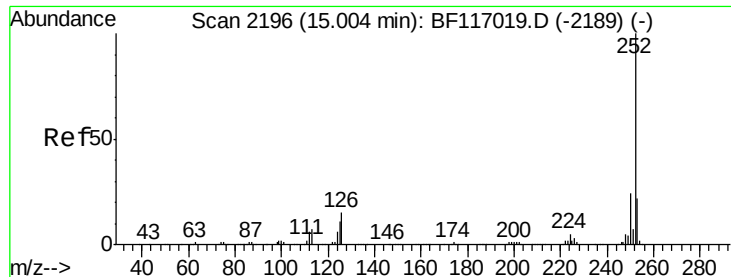


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.42 min Scan# 2266
Delta R.T. -0.01 min
Lab File: BF117064.D
Acq: 16 Sep 2019 15:44

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.3	17.6	26.4
265	21.1	16.6	24.8

Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





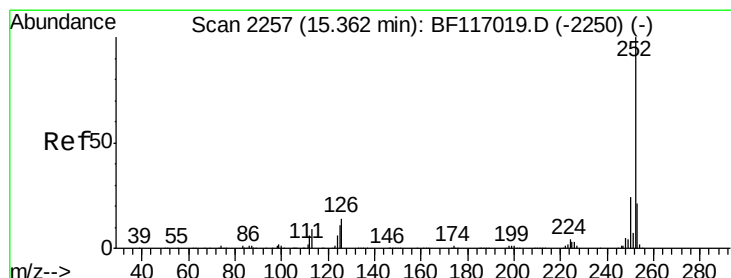
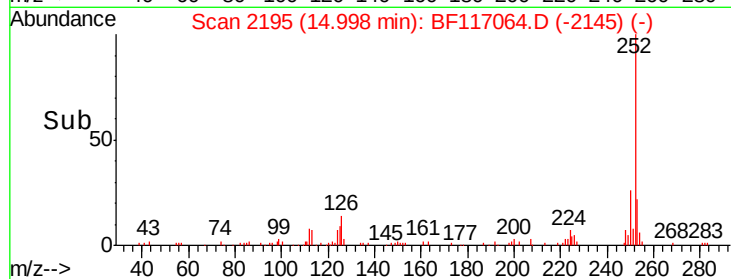
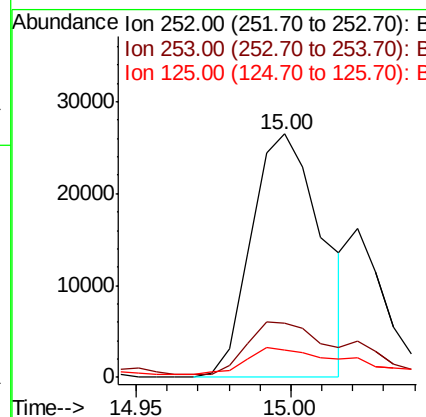
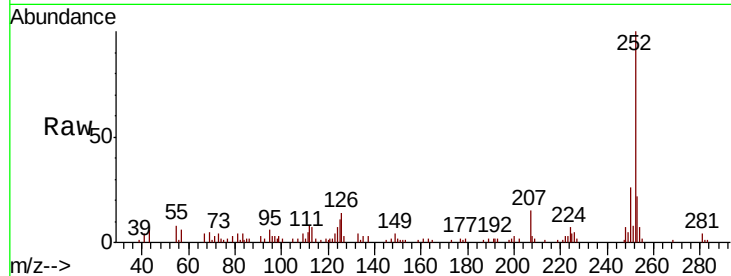
#88
Benzo(b)fluoranthene
Concen: 5.154 ng m
RT: 15.00 min Scan# 2196
Delta R.T. -0.01 min
Lab File: BF117064.D
Acq: 16 Sep 2019 15:44

Instrument :
BNA_F
ClientSampleId :
RBR-200027-RBR-200049

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.6	26.4
125	11.3	8.6	12.8

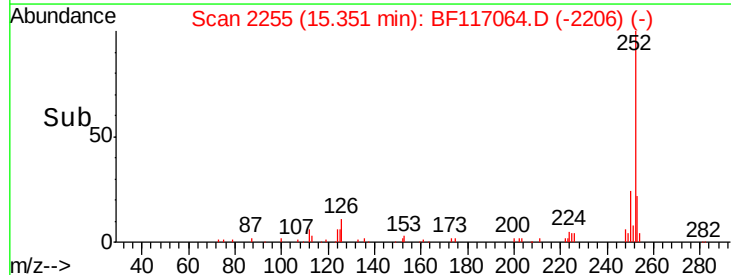
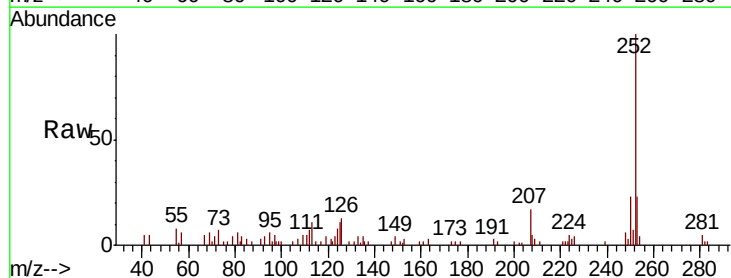
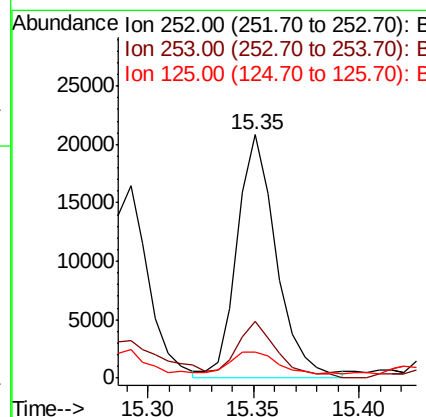
Manual Integrations
APPROVED

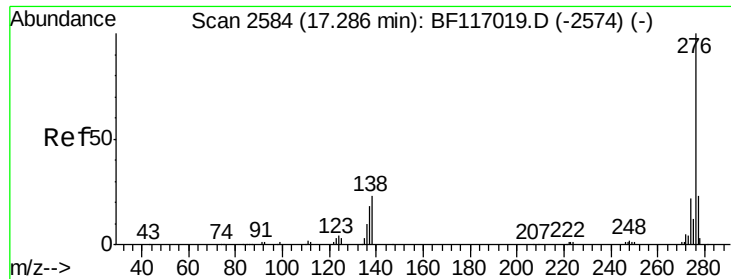
mohammad
9/17/2019 1:25:40 PM



#90
Benzo(a)pyrene
Concen: 3.743 ng
RT: 15.35 min Scan# 2255
Delta R.T. -0.01 min
Lab File: BF117064.D
Acq: 16 Sep 2019 15:44

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	16.6	25.0
125	10.8	8.9	13.3





#92
 Benzo(a,h,i)perylene
 Concen: 3.584 ng
 RT: 17.28 min Scan# 2583
 Delta R.T. -0.01 min
 Lab File: BF117064.D
 Acq: 16 Sep 2019 15:44

Instrument :
 BNA_F
 ClientSampleId :
 RBR-200027-RBR-200049

Tot Ion:	276	Resp:	20442
Ion Ratio	Lower	Upper	
276	100		
277	22.5	18.6	27.8
138	18.1	18.0	27.0

Manual Integrations
 APPROVED

mohammad
 9/17/2019 1:25:40 PM

